(54) Title: CORRECTION METHOD FOR CHIP REMOVAL MACHINES
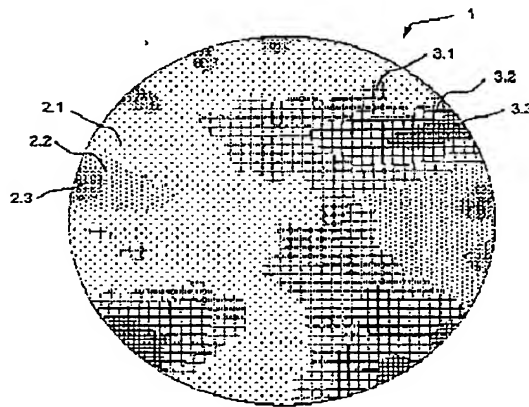
(57) Abstract:
The invention concerns a method for determining a deviation of at least one regulating variable on chip removal machines with a mechanical drive for a tool and/or a workpiece 1, regulated by a control system, wherein the regulation comprises a plurality of values C, X, Z of at least three spatial axes c, x, z for the control system and for the drive, and the values C, X, Z have a functional relation such as $Z = f_{bi} (C, X)$ with the axes c, x, z. A protocol is prepared from a plurality of control system actual values $(C_{p,s}, X_{p,s}, Z_{p,s})$ detected by measuring means and/or selected drive actual values $(C_{p,a}, X_{p,a}, Z_{p,a})$ and a control system nominal value according to $Z_{bi,s} = f_{bi} (C_{p,s}, X_{p,s})$ and/or a drive nominal value according to $Z_{bi,a} = f_{bi} (C_{p,a}, X_{p,a})$ is calculated at least in relation to the z-axis, and a control system differential value according to $D_{z,s} = Z_{p,s} - Z_{bi,s}$ and/or a drive differential value according to $D_{z,a} = Z_{p,a} - Z_{bi,a}$ is calculated at least in relation to the z-axis. The invention also pertains to a chip removal machine which implements such a method.

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GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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